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PTO/SB/21 (07-06)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4

Application Number

10/521,138

Filing Date

January 11, 2005

First Named Inventor

Johnson, Karl F., et al.

Art Unit

Not yet assigned

Examiner Name

Not yet assigned

Attorney Docket Number

019957-015920US

ENCLOSURES (Check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | Return Postcard; and |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | Statement Under 3.73(b) and "copy" of Assignment. |
| | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Townsend and Townsend and Crew LLP

Signature

Jennifer L. Wahlsten

Printed name

Jennifer L. Wahlsten

Date

September 25, 2006

Reg. No.

46,226

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Brenda J. Dolly

Typed or printed name

Brenda J. Dolly

Date

Sept 25, 2006



NE00019945

PTO/SB/96 (09-04)

Attorney Docket No. 019957-015920US

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Karl F. Johnson and Daniel James BezilaApplication No./Patent No.: 10/521,138 Filed/Issue Date: _____International Appl'n Nos.: PCT/US2003/023155 and PCT/US2003/023057 International Filing Date: July 23, 2003Entitled: **SYNTHESIS OF OLIGOSACCHARIDES, GLYCOLIPIDS, AND GLYCOPROTEINS USING BACTERIAL GLYCOSYLTRANSFERASES**Neose Technologies, Inc., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the joint assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Debra J. Poul
SignatureSeptember 13, 2006
DateDebra J. Poul
Printed or Typed Name215-315-9000
Telephone NumberSENIOR VP & GENERAL COUNSEL
Title

****NOT FOR RECORDATION****

Attorney Docket No.: 019957-015920US
Client Reference No.: NEO00199

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Karl F. Johnson** of 5320 Ivystream Road, Hatboro, PA 19040; and **Daniel James Bezila** of 715 Red Lion Road, 2nd Floor, Philadelphia, PA 19115, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: SYNTHESIS OF OLIGOSACCHARIDES AND
 GLYCOLIPIDS USING BACTERIAL
 GLYCOSYLTRANSFERASES

Date(s) of execution of Declaration:

Int'l Filing Date: July 23, 2003

Int'l Appln. Nos.: PCT/US2003/023155 and PCT/US2003/023057

U.S. Application No.: 10/521,138 ; and

WHEREAS, **Neose Technologies, Inc.**, located at 102 Witmer Road, Horsham, PA 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

COPY

****NOT FOR RECORDATION****

Assignment
Attorney Docket No.: 019957-015920US
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: October 21, 2005

Karl F. Johnson
Karl F. Johnson

SIGNATURE WITNESSED BY:

Dated: 10/21/05

Suzanne Cannon
Signature of Witness
SUZANNE CANNON
Printed Name

Dated: 10/21/05

Lynne Conklin
Signature of Witness
LYNNE CONKLIN
Printed Name

Dated: 10/25/05

Daniel James Bezila
Daniel James Bezila

SIGNATURE WITNESSED BY:

Dated: 10/25/05

Suzanne Cannon
Signature of Witness
SUZANNE CANNON
Printed Name

Dated: 10/25/05

Lynne Conklin
Signature of Witness
LYNNE CONKLIN
Printed Name

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